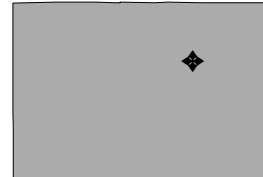


Size: 464 acres
Mission: Research, develop, and assemble missiles and missile components; test engines
HRS Score: 42.93; placed on NPL in November 1989
IAG Status: None
Contaminants: Chlorinated organic solvents, VOCs, nitrate, fuel, and hydrazine
Media Affected: Groundwater and soil
Funding to Date: \$21.0 million
Estimated Cost to Completion (Completion Year): \$41.0 million (FY2011)
Final Remedy in Place or Response Complete Date for All Sites: FY2003



Waterton, Colorado

Restoration Background

Air Force Plant PJKS supports the military by researching, developing, and assembling missiles, missile components, and engines. Past operations have contaminated groundwater beneath the installation with trichloroethene (TCE), hydrazine, vinyl chloride, benzene, other volatile organic compounds (VOCs), and nitrate. Since FY86, environmental studies have identified 59 sites, which were grouped into six operable units (OUs). There are also six areas of concern. Twelve of 14 underground storage tanks have been removed from the installation.

In FY93, field activities began for a supplemental Remedial Investigation and Feasibility Study (RI/FS) at OU1, OU4, and OU6. RI/FS work plans were completed for supplemental investigations at OU2, OU3, and OU5. In FY94, the installation began using new technologies to improve field methods and data management. The installation also sponsored workshops, which included representatives from EPA and the state, to ensure that all technical and regulatory requirements for the supplemental RI/FS would be met. As a result of the workshops, work plans for supplemental RI/FS activities at OU2, OU3, and OU5 were renewed, approved, and made final. In FY95, all fieldwork, sample collection, and sample analysis for the supplemental basewide RI/FS and construction of the monitoring well network were completed.

In FY96, data validation was completed, and an electronic database was established. Technical work groups were formed with EPA, the State of Colorado, USGS, and the U.S. Army Corps of Engineers to support RI site characterization and risk assessment. Site characterization and a Baseline Risk Assessment began. Negotiations on the Interagency Agreement (IAG) also began. In

FY97, Relative Risk Site Evaluations were reevaluated and revised to reflect data from the RI/FS. The Aeronautical Systems Center and Lockheed Martin Astronautics agreed to sale terms for the installation, that include environmental liability and cleanup aspects. The installation formed a Restoration Advisory Board (RAB) in FY96, and in FY97 signed a RAB charter.

FY98 Restoration Progress

An Engineering Evaluation/Cost Analysis was developed for an early action to address groundwater contamination. Based on favorable analyses, implementation of an early action for groundwater is budgeted for FY99.

Negotiations toward an IAG with EPA Region 8 were halted in deference to a two-party regulatory oversight agreement between Air Force and the State of Colorado. The installation held quarterly RAB meetings to discuss preliminary site characterization data, risk assessments, and community concerns.

Plan of Action

- Complete all basewide RI work for OUs 1 through 6 and submit one final RI report that will include all six OUs
- Implement early action to address groundwater contamination in FY99
- Assess the cost-effectiveness of additional early actions in FY99
- Initiate FS work as needed; complete FS work for OUs 1 through 6 by FY01
- Sign Records of Decision (RODs) as needed; complete RODs for OUs 1 through 6 by FY01

FY99 FUNDING BY PHASE AND RELATIVE RISK

